

FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO

RENTECH NITROGEN PASADENA, LLC

AUTHORIZING THE OPERATION OF

Pasadena Operations
Nitrogenous Fertilizers

LOCATED AT

Harris County, Texas

Latitude 29° 44' 27" Longitude 095° 11' 37"

Regulated Entity Number: RN101621944

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site and emission units listed in this permit. Operations of the site and emission units listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site and emission units authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained herein.

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site and emission units.

Permit No: O1252 Issuance Date: May 16, 2013

For the Commission

Table of Contents

Section	Page
General Terms and Conditions	1
Special Terms and Conditions	1
Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting	1
Additional Monitoring Requirements	11
New Source Review Authorization Requirements	12
Compliance Requirements.....	13
Risk Management Plan	15
Protection of Stratospheric Ozone	15
Permit Location.....	15
Permit Shield (30 TAC § 122.148)	15
Attachments	17
Applicable Requirements Summary	18
Additional Monitoring Requirements	31
Permit Shield.....	37
New Source Review Authorization References.....	50
Appendix A	58
Acronym List	59

General Terms and Conditions

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

Special Terms and Conditions: Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting

1. Permit holder shall comply with the following requirements:
 - A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.
 - B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.

- C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.
- D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.
- E. Emission units subject to 40 CFR Part 63, Subpart ZZZZ as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.1090 which incorporates the 40 CFR Part 63 Subpart by reference.
- F. The permit holder shall comply with the following 30 TAC Chapter 101, Subchapter H, Division 3 (Mass Emission Cap and Trade Program) Requirements:
 - (i) Title 30 TAC § 101.352 (relating to General Provisions)
 - (ii) Title 30 TAC § 101.353 (relating to Allocation of Allowances)
 - (iii) Title 30 TAC § 101.354 (relating to Allowance Deductions)
 - (iv) Title 30 TAC § 101.356 (relating to Allowance Banking and Trading)
 - (v) Title 30 TAC § 101.358 (relating to Emission Monitoring and Compliance Demonstration)
 - (vi) Title 30 TAC § 101.359 (relating to Reporting)
 - (vii) Title 30 TAC § 101.360 (relating to Level of Activity Certification)
 - (viii) The terms and conditions by which the emission limits are established to meet or exceed the cap are applicable requirements of this permit
- 2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):
 - A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements
 - B. Title 30 TAC § 101.3 (relating to Circumvention)

- C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ
 - D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ
 - E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)
 - F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)
 - G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)
 - H. Title 30 TAC § 101.221 (relating to Operational Requirements)
 - I. Title 30 TAC § 101.222 (relating to Demonstrations)
 - J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)
3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:
- A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed either before or after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1 , shall not exceed 20% opacity averaged over a six minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:
 - (i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)
 - (ii) Title 30 TAC § 111.111(a)(1)(E)
 - (iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)
 - (iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as

plumbing vents; or vent emissions from any other source that does not obstruct the transmission of light. Vents, as specified in the “Applicable Requirements Summary” attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:

- (1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.
- (2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.
- (3) Records of all observations shall be maintained.
- (4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer’s eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(5) Compliance Certification:

- (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).
- (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.
- (c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

B. For visible emissions from a building, enclosed facility, or other structure; the permit holder shall comply with the following requirements:

- (i) Title 30 TAC § 111.111(a)(7)(A) (relating to Requirements for Specified Sources)
- (ii) Title 30 TAC § 111.111(a)(7)(B)(i) or (ii)
- (iii) For a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source subject to 30 TAC § 111.111(a)(7)(A), complying with 30 TAC § 111.111(a)(7)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:

- (1) An observation of visible emissions from a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source which is required to comply with 30 TAC § 111.111(a)(7)(A) shall be conducted at least once during each calendar quarter unless the air emission source or enclosed facility is not operating for the entire quarter.
- (2) Records of all observations shall be maintained.
- (3) Visible emissions observations of air emission sources or enclosed facilities operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of air emission sources or enclosed facilities operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each emissions outlet in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each emissions outlet during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.
- (4) Compliance Certification:
 - (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(7) and (a)(7)(A)
 - (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(7)(B) to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the

source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

- C. For visible emissions from all other sources not specified in 30 TAC § 111.111(a)(1), (4), or (7); the permit holder shall comply with the following requirements:
- (i) Title 30 TAC § 111.111(a)(8)(A) (relating to Requirements for Specified Sources)
 - (ii) Title 30 TAC § 111.111(a)(8)(B)(i) or (ii)
 - (iii) For a source subject to 30 TAC § 111.111(a)(8)(A), complying with 30 TAC § 111.111(a)(8)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:
 - (1) An observation of visible emissions from a source which is required to comply with 30 TAC § 111.111(a)(8)(A) shall be conducted at least once during each calendar quarter unless the source is not operating for the entire quarter.
 - (2) Records of all observations shall be maintained.
 - (3) Visible emissions observations of sources operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of sources operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each source in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each source during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at

the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

- (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(8) and (a)(8)(A)
- (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(8)(B) to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

- D. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).
- E. Permit holders for sites that have materials handling, construction, roads, streets, alleys, and parking lots shall comply with the following requirements:
 - (i) Title 30 TAC § 111.143 (relating to Materials Handling)
 - (ii) Title 30 TAC § 111.145 (relating to Construction and Demolition)
 - (iii) Title 30 TAC § 111.147 (relating to Roads, Streets, and Alleys)
 - (iv) Title 30 TAC § 111.149 (relating to Parking Lots)
- F. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:

- (i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)
 - (ii) Sources with an effective stack height (h_e) less than the standard effective stack height (H_e), must reduce the allowable emission level by multiplying it by $[h_e/H_e]^2$ as required in 30 TAC § 111.151(b)
 - (iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)
- 4. Permit holder shall comply with the following 30 TAC Chapter 115, Subchapter C requirements:
 - A. When filling stationary gasoline storage vessels (Stage I) for motor vehicle fuel dispensing facilities, constructed prior to November 15, 1992, with transfers to stationary storage tanks located at a facility which has dispensed no more than 10,000 gallons of gasoline in any calendar month after January 1, 1991, the permit holder shall comply with the following requirements specified in 30 TAC Chapter 115, Subchapter C:
 - (i) Title 30 TAC § 115.222(7) (relating to Control Requirements)
 - (ii) Title 30 TAC § 115.222(3), as it applies to liquid gasoline leaks
 - (iii) Title 30 TAC § 115.224(1) (relating to Inspection Requirements), as it applies to liquid gasoline leaks
 - (iv) Title 30 TAC § 115.226(2)(B) (relating to Recordkeeping Requirements)
 - B. The permit holder shall comply with the annual reporting requirements under 30 TAC § 115.247(2) for motor vehicle fuel dispensing facilities exempt from Stage II.
- 5. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:
 - A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)
 - B. Title 40 CFR § 60.8 (relating to Performance Tests)
 - C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)
 - D. Title 40 CFR § 60.12 (relating to Circumvention)
 - E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)

- F. Title 40 CFR § 60.14 (relating to Modification)
 - G. Title 40 CFR § 60.15 (relating to Reconstruction)
 - H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)
6. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 61, unless otherwise stated in the applicable subpart:
- A. Title 40 CFR § 61.05 (relating to Prohibited Activities)
 - B. Title 40 CFR § 61.07 (relating to Application for Approval of Construction or Modification)
 - C. Title 40 CFR § 61.09 (relating to Notification of Start-up)
 - D. Title 40 CFR § 61.10 (relating to Source Reporting and Request Waiver)
 - E. Title 40 CFR § 61.12 (relating to Compliance with Standards and Maintenance Requirements)
 - F. Title 40 CFR § 61.13 (relating to Emissions Tests and Waiver of Emission Tests)
 - G. Title 40 CFR § 61.14 (relating to Monitoring Requirements)
 - H. Title 40 CFR § 61.15 (relating to Modification)
 - I. Title 40 CFR § 61.19 (relating to Circumvention)
7. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.
8. The permit holder shall comply with certified registrations submitted to the TCEQ for purposes of establishing federally enforceable emission limits. A copy of the certified registration shall be maintained with the permit. Records sufficient to demonstrate compliance with the established limits shall be maintained. The certified registration and records demonstrating compliance shall be provided, on request, to representatives of the appropriate TCEQ regional office and any local air pollution control agency having jurisdiction over the site. The permit holder shall submit updated certified registrations when changes at the site require establishment of new emission limits. If changes result in emissions that do not remain below major source thresholds, the permit holder shall submit a revision application to codify the appropriate requirements in the permit.

9. Rentech Nitrogen Pasadena, L.L.C. is allowed to use the emission factor equation approved through Administrative Order on Consent (AOC) Docket No. CAA-06-2008-3303 effective May 21, 2009 and as referenced in NSR Permit No. 56361, Special Condition 16C. Rentech Nitrogen Pasadena, L.L.C. will use this equation for complying with Monitoring & Testing Requirements of §60.84(d) as referenced in the Applicable Requirements Summary to calculate SO₂ emissions for Unit ID P-3, SOP Index No. 60H-2.

Additional Monitoring Requirements

10. Unless otherwise specified, the permit holder shall comply with the compliance assurance monitoring requirements as specified in the attached “CAM Summary” upon issuance of the permit. In addition, the permit holder shall comply with the following:
 - A. The permit holder shall comply with the terms and conditions contained in 30 TAC § 122.147 (General Terms and Conditions for Compliance Assurance Monitoring).
 - B. The permit holder shall report, consistent with the averaging time identified in the “CAM Summary,” deviations as defined by the deviation limit in the “CAM Summary.” Any monitoring data below a minimum limit or above a maximum limit, that is collected in accordance with the requirements specified in 40 CFR § 64.7(c), shall be reported as a deviation. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).
 - C. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the “CAM Summary,” for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances in order to avoid reporting deviations. All monitoring data shall be collected in accordance with the requirements specified in 40 CFR § 64.7(c).
 - D. The permit holder shall operate the monitoring, identified in the attached “CAM Summary,” in accordance with the provisions of 40 CFR § 64.7.
 - E. Except for emission units using a CEMS, COMS or PEMS which meets the requirements of 40 CFR § 64.3(d)(2), the permit holder shall comply with either of the following requirements for any particulate matter capture system associated with the control device subject to CAM. If the results of the following inspections indicate that the capture system is not working properly, the permit holder shall promptly take necessary corrective action:

- (i) Once per year the permit holder shall inspect any fan for proper operation and inspect the capture system used in compliance of CAM for cracks, holes, tears, and other defects; or
 - (ii) Once per year, the permit holder shall inspect for fugitive emissions escaping from the capture system in compliance of CAM by performing a visible emissions observation for a period of at least six minutes in accordance with 40 CFR Part 60, Appendix A, Test Method 22.
- F. The permit holder shall comply with the requirements of 40 CFR § 70.6(a)(3)(ii)(A) and 30 TAC § 122.144(1)(A)-(F) for documentation of all required inspections.
- 11. The permit holder shall comply with the periodic monitoring requirements as specified in the attached “Periodic Monitoring Summary” upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the “Periodic Monitoring Summary,” for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

New Source Review Authorization Requirements

- 12. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule, standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:
 - A. Are incorporated by reference into this permit as applicable requirements
 - B. Shall be located with this operating permit
 - C. Are not eligible for a permit shield
- 13. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.

14. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, material safety data sheets (MSDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144.
 - A. If applicable, monitoring of control device performance or general work practice standards shall be made in accordance with the TCEQ Periodic Monitoring Guidance document.
 - B. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

Compliance Requirements

15. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.
16. Permit holder shall comply with the following 30 TAC Chapter 117 requirements:
 - A. The permit holder shall comply with the compliance schedules and submit written notification to the TCEQ Executive Director as required in 30 TAC Chapter 117, Subchapter H, Division 1:
 - (i) For sources in the Houston-Galveston-Brazoria Nonattainment area, 30 TAC § 117.9020:
 - (1) Title 30 TAC § 117.9020(2)(A), (C), and (D)
 - B. The permit holder shall comply with the requirements of 30 TAC § 117.354 for Final Control Plan Procedures for Attainment Demonstration Emission Specifications and 30 TAC § 117.356 for Revision of Final Control Plan.
17. Use of Emission Credits to comply with applicable requirements:

- A. Unless otherwise prohibited, the permit holder may use emission credits to comply with the following applicable requirements listed elsewhere in this permit:
 - (i) Title 30 TAC Chapter 115
 - (ii) Title 30 TAC Chapter 117
 - (iii) Offsets for Title 30 TAC Chapter 116
 - B. The permit holder shall comply with the following requirements in order to use the emission credits to comply with the applicable requirements:
 - (i) The permit holder must notify the TCEQ according to 30 TAC § 101.306(c)(2)
 - (ii) The emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 1
 - (iii) The executive director has approved the use of the credit according to 30 TAC § 101.306(c)(2)
 - (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.302(g) and 30 TAC Chapter 122
18. Use of Discrete Emission Credits to comply with the applicable requirements:
- A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:
 - (i) Title 30 TAC Chapter 115
 - (ii) Title 30 TAC Chapter 117
 - (iii) If applicable, offsets for Title 30 TAC Chapter 116
 - (iv) Temporarily exceed state NSR permit allowables
 - B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:
 - (i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)
 - (ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability

requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4

- (iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)
- (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122

Risk Management Plan

- 19. For processes subject to 40 CFR Part 68 and specified in 40 CFR § 68.10, the permit holder shall comply with the requirements of the Accidental Release Prevention Provisions in 40 CFR Part 68. The permit holder shall submit to the appropriate agency either a compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR § 68.10(a), or as part of the compliance certification submitted under this permit, a certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of a risk management plan.

Protection of Stratospheric Ozone

- 20. Permit holders at a site subject to Title VI of the FCAA Amendments shall meet the following requirements for protection of stratospheric ozone.
 - A. Any on site servicing, maintenance, and repair on refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants or non-exempt substitutes shall be conducted in accordance with 40 CFR Part 82, Subpart F. Permit holders shall ensure that repairs on or refrigerant removal from refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants are performed only by properly certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart F.

Permit Location

- 21. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit on site.

Permit Shield (30 TAC § 122.148)

- 22. A permit shield is granted for the emission units, groups, or processes specified in the attached “Permit Shield.” Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment “Permit Shield.” Permit shield provisions shall not be modified

by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Applicable Requirements Summary

Unit Summary	19
---------------------------	-----------

Applicable Requirements Summary	22
--	-----------

Note: A “none” entry may be noted for some emission sources in this permit’s “Applicable Requirements Summary” under the heading of “Monitoring and Testing Requirements” and/or “Recordkeeping Requirements” and/or “Reporting Requirements.” Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
P-7ASDRYER	Dryer/Kiln/Oven	N/A	60PP-1	40 CFR Part 60, Subpart PP	No changing attributes.
USNV001	Emission Points/Stationary Vents/Process Vents	N/A	R111-USNV001	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
USNV002	Emission Points/Stationary Vents/Process Vents	N/A	R111-USNV002	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
P-17	Gypsum Stack	N/A	61R-P17	40 CFR Part 61, Subpart R	No changing attributes
P-18	Gypsum Stack	N/A	61R-P18	40 CFR Part 61, Subpart R	No changing attributes
DGRSR-CS	Solvent Degreasing Machines	N/A	R115-DGRSR-CS	30 TAC Chapter 115, Degreasing Processes	No changing attributes.
DSIV001	Stationary Reciprocating Int. Comb. Engines	N/A	R117-DSIV001	30 TAC Chapter 117, Subchapter B	No changing attributes.
DSIV001	Stationary Reciprocating Int. Comb. Engines	N/A	63ZZZZ-DSIV001	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
NSIV001	Stationary Reciprocating Int. Comb. Engines	N/A	R117-NSIV001	30 TAC Chapter 117, Subchapter B	No changing attributes.
NSIV001	Stationary Reciprocating Int. Comb. Engines	N/A	63ZZZZ-NSIV001	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
NSIV002	Stationary	N/A	R117-NSIV002	30 TAC Chapter 117,	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	Reciprocating Int. Comb. Engines			Subchapter B	
NSIV002	Stationary Reciprocating Int. Comb. Engines	N/A	63ZZZZ-NSIV002	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
1TIV007	Storage Tanks/Vessels	N/A	R115B1-1TIV007	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
STIV013	Storage Tanks/Vessels	N/A	R115B1-STIV013	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
TKNALCO1	Storage Tanks/Vessels	N/A	R115B1- TKNALCO1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
UTIV052	Storage Tanks/Vessels	N/A	R115B1-UTIV052	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
UTIV053	Storage Tanks/Vessels	N/A	R115B1-UTIV053	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
P-3	Sulfuric Acid Production	N/A	R112-1	30 TAC Chapter 112, Sulfur Compounds	No changing attributes.
P-3	Sulfuric Acid Production	N/A	60H-1	40 CFR Part 60, Subpart H	No changing attributes.
P-3	Sulfuric Acid Production	N/A	60H-2	40 CFR Part 60, Subpart H	No changing attributes.
PROSURFCT	Surface Coating Operations	N/A	R115E5-SURFCT	30 TAC Chapter 115, Subchapter E, Division 5	No changing attributes.
PROSURFCT	Surface Coating	N/A	R115E6-SURFCT	30 TAC Chapter 115,	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	Operations			Subchapter E, Division 6	
PROSURFCT	Surface Coating Operations	N/A	R115E7-SURFCT	30 TAC Chapter 115, Subchapter E, Division 7	No changing attributes.
PROSURFCT	Surface Coating Operations	N/A	R115E2-SURFCT	30 TAC Chapter 115, Surface Coating Operations	No changing attributes.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
P-7ASDRYER	EU	60PP-1	PM	40 CFR Part 60, Subpart PP	§ 60.422	On or after the performance test required by §60.8 is completed, no ammonium sulfate dryer may emit particulate matter at a rate >0.15 kg per Mg (0.30 lbs per ton) of ammonium sulfate produced.	§ 60.423(a) § 60.423(b) § 60.424(a) § 60.424(b) § 60.424(b)(1) § 60.424(b)(2) § 60.424(b)(3) § 60.424(b)(3)(i) § 60.424(b)(4)	§ 60.423(b)	None
P-7ASDRYER	EU	60PP-1	PM (OPACITY)	40 CFR Part 60, Subpart PP	§ 60.422	On or after the performance test required by §60.8 is completed, no ammonium sulfate dryer may emit exhaust gases with opacity greater than 15%.	§ 60.423(a) § 60.423(b) § 60.424(a) § 60.424(b) § 60.424(b)(4)	§ 60.423(b)	None
USNV001	EP	R111-USNV001	PM	30 TAC Chapter 111, Nonagricultural Processes	§ 111.151(a) § 111.151(b) § 111.151(c)	No person may cause, suffer, allow, or permit emissions of particulate matter from any source to exceed the allowable rates specified in Table 1 as follows, except as provided by §111.153 of this title (relating to Emissions Limits for Steam Generators).	** See CAM Summary	None	None
USNV002	EP	R111-USNV002	PM	30 TAC Chapter 111, Nonagricultural Processes	§ 111.151(a) § 111.151(b) § 111.151(c)	No person may cause, suffer, allow, or permit emissions of particulate matter from any source to exceed the allowable rates specified in Table 1 as follows, except as provided by §111.153 of this title (relating to Emissions Limits for Steam Generators).	** See CAM Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
P-17	EP	61R-P17	RADON	40 CFR Part 61, Subpart R	§ 61.202 [G]§ 61.204 [G]§ 61.205 § 61.206(a)	Each person who generates phosphogypsum shall place all phosphogypsum in stacks. Phosphogypsum may be removed from a phosphogypsum stack only as expressly provided by this subpart. After a phosphogypsum stack has become an inactive stack, the owner or operator shall assure that the stack does not emit more than 20 pCi/(m ² -sec) (1.9 pCi/(ft ² -sec)) of radon-222 into the air.	§ 61.203(a) § 61.203(d) § 61.203(e) § 61.204(a) § 61.206(d)(1) [G]§ 61.207	§ 61.206(d)(2) [G]§ 61.208(a) [G]§ 61.209	[G]§ 61.203 [G]§ 61.206(b) § 61.210
P-18	EP	61R-P18	RADON	40 CFR Part 61, Subpart R	§ 61.202 [G]§ 61.204 [G]§ 61.205 § 61.206(a)	Each person who generates phosphogypsum shall place all phosphogypsum in stacks. Phosphogypsum may be removed from a phosphogypsum stack only as expressly provided by this subpart. After a phosphogypsum stack has become an inactive stack, the owner or operator shall assure that the stack does not emit more than 20 pCi/(m ² -sec) (1.9 pCi/(ft ² -sec)) of radon-222 into the air.	§ 61.203(a) § 61.203(d) § 61.203(e) § 61.204(a) § 61.206(d)(1) [G]§ 61.207	§ 61.206(d)(2) [G]§ 61.208(a) [G]§ 61.209	[G]§ 61.203 [G]§ 61.206(b) § 61.210
DGRSR-CS	EU	R115-DGRSR-CS	VOC	30 TAC Chapter 115, Degreasing Processes	§ 115.412(1) [G]§ 115.412(1)(A) § 115.412(1)(C) [G]§ 115.412(1)(F) § 115.417(1) § 115.417(2)(A)	Cold solvent cleaning. No person shall own or operate a system utilizing a VOC for the cold solvent cleaning of objects without the controls listed in §115.412(1)(A)-(F).	[G]§ 115.415(1) § 115.415(3) ** See Periodic Monitoring Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
DSIV001	EU	R117-DSIV001	EXEMPT	30 TAC Chapter 117, Subchapter B	[G]§ 117.303(a)(11) [G]§ 117.310(f)	Units exempted from the provisions of this division except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1) and 117.354(a)(5) include new, modified, reconstructed, or relocated stationary diesel engine placed into service on or after October 1, 2001, that operates less than 100 hours per year, based on a rolling 12-month average, in other than emergency situations; and meets the requirements for non-road engines as specified. §117.303(a)(11)(A)-(B)	None	§ 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6)	None
DSIV001	EU	63ZZZZ-DSIV001	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) [G]§ 63.6640(f)(1)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(a)(2) § 63.6655(a)(4) § 63.6655(a)(5) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
NSIV001	EU	R117-NSIV001	EXEMPT	30 TAC Chapter 117, Subchapter B	[G]§ 117.303(a)(11) [G]§ 117.310(f)	Units exempted from the provisions of this division except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1) and 117.354(a)(5) include new,	None	§ 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						modified, reconstructed, or relocated stationary diesel engine placed into service on or after October 1, 2001, that operates less than 100 hours per year, based on a rolling 12-month average, in other than emergency situations; and meets the requirements for non-road engines as specified. §117.303(a)(11)(A)-(B)			
NSIV001	EU	63ZZZZ-NSIV001	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) [G]§ 63.6640(f)(1)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(a)(2) § 63.6655(a)(4) § 63.6655(a)(5) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
NSIV002	EU	R117-NSIV002	EXEMPT	30 TAC Chapter 117, Subchapter B	[G]§ 117.303(a)(11) [G]§ 117.310(f)	Units exempted from the provisions of this division except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1) and 117.354(a)(5) include new, modified, reconstructed, or relocated stationary diesel engine placed into service on or after October 1, 2001, that operates less than 100 hours per year, based on a rolling 12-month average, in	None	§ 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						other than emergency situations; and meets the requirements for non-road engines as specified. §117.303(a)(11)(A)-(B)			
NSIV002	EU	63ZZZZ-NSIV002	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) [G]§ 63.6640(f)(1)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(a)(2) § 63.6655(a)(4) § 63.6655(a)(5) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
1TIV007	EU	R115B1-1TIV007	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
STIV013	EU	R115B1-STIV013	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
TKNALCO1	EU	R115B1-TKNALCO1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						requirements of this division.			
UTIV052	EU	R115B1-UTIV052	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
UTIV053	EU	R115B1-UTIV053	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
P-3	PRO	R112-1	SO ₂	30 TAC Chapter 112, Sulfur Compounds	§ 112.5(a)	No person may cause, suffer, allow, or permit emissions of SO ₂ from any sulfuric acid plant burning elemental sulfur to exceed the emission limits set by the specified equation.	§ 112.2(a) § 112.5(c)	§ 112.2(c)	§ 112.2(b)
P-3	PRO	R112-1	H ₂ SO ₄	30 TAC Chapter 112, Sulfur Compounds	§ 112.41(b) § 112.41(b)(1)	Sulfuric acid or oleum facilities may not permit emissions of H ₂ SO ₄ mist to exceed 0.50 lb/ton (0.25 gram/kg) of 100% H ₂ SO ₄ produced when burning specified compounds by the contact process.	§ 112.43(b) § 112.43(c) [G]§ 112.43(c)(1) [G]§ 112.43(c)(2) § 112.45(a)	[G]§ 112.45(b)	None
P-3	PRO	60H-1	SO ₂	40 CFR Part 60, Subpart H	§ 60.82(a)	On and after the §60.8 performance test, no owner or operator shall discharge gases containing SO ₂ in	§ 60.84(a) § 60.84(b) § 60.84(c) § 60.84(e)	None	§ 60.84(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						excess of 2 kg per metric ton (4.0 lb per ton) of acid produced into the atmosphere.	§ 60.85(a) § 60.85(b)(1) § 60.85(b)(2) § 60.85(b)(3)		
P-3	PRO	60H-1	H ₂ SO ₄	40 CFR Part 60, Subpart H	§ 60.83(a)(1)	No owner or operator shall discharge any gases containing acid mist, expressed as H ₂ SO ₄ , in excess of 0.075 kg per metric ton (0.15 lb per ton) of acid produced, the production being expressed as 100% H ₂ SO ₄ .	§ 60.85(a) § 60.85(b)(1) § 60.85(b)(2) § 60.85(b)(3) [G]§ 60.85(c)	None	None
P-3	PRO	60H-1	PM (OPACITY)	40 CFR Part 60, Subpart H	§ 60.83(a)(2)	No owner or operator shall discharge any gases exhibiting 10% opacity, or greater.	§ 60.85(a) § 60.85(b)(4)	None	None
P-3	PRO	60H-2	SO ₂	40 CFR Part 60, Subpart H	§ 60.82(a)	On and after the §60.8 performance test, no owner or operator shall discharge gases containing SO ₂ in excess of 2 kg per metric ton (4.0 lb per ton) of acid produced into the atmosphere.	§ 60.84(a) § 60.84(d) § 60.84(e) § 60.85(a) § 60.85(b)(1) § 60.85(b)(2) § 60.85(b)(3) [G]§ 60.85(c)	None	§ 60.84(e)
P-3	PRO	60H-2	H ₂ SO ₄	40 CFR Part 60, Subpart H	§ 60.83(a)(1)	No owner or operator shall discharge any gases containing acid mist, expressed as H ₂ SO ₄ , in excess of 0.075 kg per metric ton (0.15 lb per ton) of acid produced, the production being expressed as 100% H ₂ SO ₄ .	§ 60.85(a) § 60.85(b)(1) § 60.85(b)(2) § 60.85(b)(3) [G]§ 60.85(c)	None	None
P-3	PRO	60H-2	PM	40 CFR Part 60,	§ 60.83(a)(2)	No owner or operator shall	§ 60.85(a)	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
			(OPACITY)	Subpart H		discharge any gases exhibiting 10% opacity, or greater.	§ 60.85(b)(4)		
PROSURFCT	EU	R115E5-SURFCT	VOC	30 TAC Chapter 115, Subchapter E, Division 5	§ 115.451(a)(1) § 115.451(l)	All surface coating processes on a property that, when uncontrolled, will emit a combined weight of VOC of less than 3.0 pounds per hour and 15 pounds in any consecutive 24-hour period are exempt from §115.453 of this title.	§ 115.458(b)(5)	§ 115.458(b)(5)	None
PROSURFCT	EU	R115E6-SURFCT	VOC	30 TAC Chapter 115, Subchapter E, Division 6	§ 115.461(a)	Solvent cleaning operations located on a property with total actual volatile organic compounds (VOC) emissions of less than 3.0 tons per calendar year from all cleaning solvents, when uncontrolled, are exempt from the requirements of this division, except as specified in §115.468(b)(2) of this title. When calculating the VOC emissions, solvents used for cleaning operations that are exempt from this division under subsections (b)-(e) of this section are excluded.	§ 115.468(b)(2)	§ 115.468(b)(2)	None
PROSURFCT	EU	R115E7-SURFCT	VOC	30 TAC Chapter 115, Subchapter E, Division 7	§ 115.471(a)	The owner or operator of application processes located on a property with actual combined emissions of volatile organic compounds (VOC) less than 3.0 tons per calendar year,	§ 115.478(b)(2)	§ 115.478(b)(2)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						when uncontrolled, from all adhesives, adhesive primers, and solvents used during related cleaning operations, is exempt from the requirements of this division, except as specified in §115.478(b)(2) of this title (relating to Monitoring and Recordkeeping Requirements).			
PROSURFCT	PRO	R115E2-SURFCT	VOC	30 TAC Chapter 115, Surface Coating Operations	§ 115.427(a)(3)(A) [G]§ 115.422(6) § 115.426 § 115.427(a)(6)	Surface coating operations which, when uncontrolled, will emit a combined weight of VOC of less than 3 lbs/hr. and 15 lbs. in any consecutive 24-hours are exempt from §115.421(a) and §115.423.	§ 115.426(4)	§ 115.426(4)	[G]§ 115.422(6)

Additional Monitoring Requirements

Compliance Assurance Monitoring Summary 32

Periodic Monitoring Summary..... 36

CAM Summary

Unit/Group/Process Information	
ID No.: USNV001	
Control Device ID No.: RCG SCRUBBER	Control Device Type: Wet Scrubber
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R111-USNV001
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: Once per day	
Averaging Period: n/a*	
Deviation Limit: It will be considered a deviation if not operating within a pressure drop range of 12 to 35 inches of water.	
<p>CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following:</p> <ul style="list-style-type: none"> ± 1 inch water gauge pressure (± 250 pascals); or ± 2% of span. 	

*The permit holder may elect to collect monitoring data on a more frequent basis and calculate the average as specified by the minimum frequency, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances to avoid reporting deviations.

CAM Summary

Unit/Group/Process Information	
ID No.: USNV001	
Control Device ID No.: RCG SCRUBBER	Control Device Type: Wet Scrubber
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R111-USNV001
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Liquid Flow Rate	
Minimum Frequency: Once per day	
Averaging Period: n/a*	
Deviation Limit: It will be considered a deviation if not operating with a minimum liquid flow rate of 400 gpm.	
<p>CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following:</p> <ul style="list-style-type: none"> ± 2% of span; or ± 5% of design liquid flow rate. 	

*The permit holder may elect to collect monitoring data on a more frequent basis and calculate the average as specified by the minimum frequency, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances to avoid reporting deviations.

CAM Summary

Unit/Group/Process Information	
ID No.: USNV002	
Control Device ID No.: DRYER SCRUBBER	Control Device Type: Wet Scrubber
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R111-USNV002
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: Once per day	
Averaging Period: n/a*	
Deviation Limit: It will be considered a deviation if not operating within a pressure drop range of 12 to 35 inches of water.	
<p>CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following:</p> <ul style="list-style-type: none"> ± 1 inch water gauge pressure (± 250 pascals); or ± 2% of span. 	

*The permit holder may elect to collect monitoring data on a more frequent basis and calculate the average as specified by the minimum frequency, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances to avoid reporting deviations.

CAM Summary

Unit/Group/Process Information	
ID No.: USNV002	
Control Device ID No.: DRYER SCRUBBER	Control Device Type: Wet Scrubber
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R111-USNV002
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Liquid Flow Rate	
Minimum Frequency: Once per day	
Averaging Period: n/a*	
Deviation Limit: It will be considered a deviation if not operating with a minimum liquid flow rate of 400 gpm.	
<p>CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following:</p> <ul style="list-style-type: none"> ± 2% of span; or ± 5% of design liquid flow rate. 	

*The permit holder may elect to collect monitoring data on a more frequent basis and calculate the average as specified by the minimum frequency, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances to avoid reporting deviations.

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: DGRSR-CS	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Degreasing Processes	SOP Index No.: R115-DGRSR-CS
Pollutant: VOC	Main Standard: § 115.412(1)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Monthly	
Averaging Period: n/a	
Deviation Limit: It is a deviation if any monitoring data indicates that the cold solvent cleaner is not in compliance with the applicable requirements of 30 TAC § 115.412(1)(A), (C) and (F).	
Periodic Monitoring Text: Inspect equipment and record data monthly to ensure compliance with any applicable requirements in § 115.412(1)(A)-(F). Any monitoring data which indicates that the cold cleaner is not in compliance with the applicable requirements of § 115.412(1)(A)-(F) shall be considered and reported as a deviation.	

Permit Shield

Permit Shield38

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
P-7ASDRYER	N/A	30 TAC Chapter 117, Subchapter B	Dryer is exempt
USNV001	N/A	30 TAC Chapter 115, Vent Gas Controls	The vent gas stream is a combustion unit exhaust stream which is not being used as a control device for any vent gas stream which is subject to this Division and which originates from a non-combustion source.
USNV002	N/A	30 TAC Chapter 115, Vent Gas Controls	The vent gas stream is a combustion unit exhaust stream which is not being used as a control device for any vent gas stream which is subject to this Division and which originates from a non-combustion source.
F-NMFV006	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	Not a synthetic organic chemical, polymer, resin, or methyl-tertiary-butyl-ether manufacturing process.
ACNV004	N/A	40 CFR Part 63, Subpart Q	Chromium-based water treatment chemicals not used after 9/8/1994.
P-3CT-4	N/A	40 CFR Part 63, Subpart Q	Chromium-based water treatment chemicals not used after 9/08/1994.
1LFV004	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	The operation is not a VOC transfer operation.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
ALFV019	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	Not a VOC transfer operation.
ALFV020	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	The operation is not a VOC transfer operation.
ALFV021	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	Not a VOC transfer operation.
ASFUG	N/A	30 TAC Chapter 115, HRVOC Fugitive Emissions	Emissions from the unit do not contain VOCs.
ASFUG	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	Emissions from the unit do not contain VOCs.
ASNV001	N/A	30 TAC Chapter 115, Vent Gas Controls	Not a VOC vent gas stream.
ATIV015	N/A	30 TAC Chapter 115, Storage of VOCs	The storage tank is not storing volatile organic liquids.
ATIV015	N/A	40 CFR Part 60, Subpart Kb	The storage tank is not storing volatile organic liquids.
AVIV027	N/A	30 TAC Chapter 115, Vent Gas Controls	Not a VOC vent gas stream.
F-HDFV001	N/A	30 TAC Chapter 115, HRVOC Fugitive Emissions	The fugitive emissions do not contain volatile organic compounds.
F-HDFV001	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	The fugitive emissions do not contain volatile organic compounds.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
FUGATS	N/A	30 TAC Chapter 115, HRVOC Fugitive Emissions	The fugitive emissions do not contain volatile organic compounds.
FUGATS	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	The fugitive emissions do not contain volatile organic compounds.
FUGATSCOM	N/A	30 TAC Chapter 115, HRVOC Fugitive Emissions	The fugitive emissions do not contain volatile organic compounds.
FUGATSCOM	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	The fugitive emissions do not contain volatile organic compounds.
FUGSAP	N/A	30 TAC Chapter 115, HRVOC Fugitive Emissions	The fugitive emissions do not contain volatile organic compounds.
FUGSAP	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	The fugitive emissions do not contain volatile organic compounds.
MILLHTRA	N/A	30 TAC Chapter 117, Subchapter B	The process heater has a maximum rated capacity less than 2.0 MMBtu/hr.
MILLHTRB	N/A	30 TAC Chapter 117, Subchapter B	The process heater has a maximum rated capacity less than 2.0 MMBtu/hr.
P-3STF	N/A	30 TAC Chapter 117, Subchapter B	Molten sulfur oxidation furnace is exempt
P-9	N/A	40 CFR Part 63, Subpart BB	The unit is not a phosphate fertilizer production plant.
PSIV001	N/A	30 TAC Chapter 115, Vent Gas Controls	Not a VOC vent gas stream.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
TKNALCO ₂	N/A	30 TAC Chapter 115, Storage of VOCs	The storage tank is not storing volatile organic compounds.
TKNALCO ₂	N/A	40 CFR Part 60, Subpart Kb	The storage tank is not storing volatile organic liquids.
TKNALCO ₃	N/A	30 TAC Chapter 115, Storage of VOCs	The storage tank is not storing volatile organic compounds.
TKNALCO ₃	N/A	40 CFR Part 60, Subpart Kb	The storage tank is not storing volatile organic liquids.
UTFVo12	N/A	30 TAC Chapter 115, Storage of VOCs	The storage tank is not storing volatile organic compounds.
UTFVo12	N/A	40 CFR Part 60, Subpart Kb	The storage tank is not storing volatile organic liquids.
UTFVo13	N/A	30 TAC Chapter 115, Storage of VOCs	The storage tank is not storing volatile organic compounds.
UTFVo13	N/A	40 CFR Part 60, Subpart Kb	The storage tank is not storing volatile organic liquids.
DGRSR-RR	N/A	30 TAC Chapter 115, Degreasing Processes	Remote reservoir cold cleaner using a solvent with a TVP less than or equal to 0.6 psia at 100 degrees Fahrenheit with a drain area < 16 inches squared, and waste solvent is disposed of in enclosed containers.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
1TIV007	N/A	40 CFR Part 60, Subpart Kb	Storage tank has a design capacity < 19,800 gallons.
2TIV051	N/A	30 TAC Chapter 115, Storage of VOCs	Capacity less than or equal to 1,000 gallons.
2TIV051	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.
2TIV052	N/A	30 TAC Chapter 115, Storage of VOCs	Capacity less than or equal to 1,000 gallons.
2TIV052	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.
2TIV053	N/A	30 TAC Chapter 115, Storage of VOCs	Capacity less than or equal to 1,000 gallons.
2TIV053	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.
2TIV054	N/A	30 TAC Chapter 115, Storage of VOCs	Capacity less than or equal to 1,000 gallons.
2TIV054	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.
2TIV055	N/A	30 TAC Chapter 115, Storage of VOCs	Capacity less than or equal to 1,000 gallons.
2TIV055	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.
2TIV056	N/A	30 TAC Chapter 115, Storage of VOCs	Capacity less than or equal to 1,000 gallons.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
2TIV056	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.
AOFV011	N/A	30 TAC Chapter 115, Storage of VOCs	Not storing a VOC.
AOFV011	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL.
ATIV006	N/A	30 TAC Chapter 115, Storage of VOCs	Not storing a VOC.
ATIV006	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL.
ATIV007	N/A	30 TAC Chapter 115, Storage of VOCs	Not storing a VOC.
ATIV007	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL.
ATIV008	N/A	30 TAC Chapter 115, Storage of VOCs	Not storing a VOC.
ATIV008	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL.
ATIV009	N/A	30 TAC Chapter 115, Storage of VOCs	Not storing a VOC.
ATIV009	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL.
ATIV010	N/A	30 TAC Chapter 115, Storage of VOCs	Not storing a VOC.
ATIV010	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL.
ATIV012	N/A	30 TAC Chapter 115, Storage of VOCs	Not storing a VOC.
ATIV012	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL.
ATIV017	N/A	30 TAC Chapter 115, Storage of VOCs	Not storing a VOC.
ATIV017	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
ATIV018	N/A	30 TAC Chapter 115, Storage of VOCs	Not storing a VOC.
ATIV018	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL.
ATIV023	N/A	30 TAC Chapter 115, Storage of VOCs	Not storing a VOC.
ATIV023	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL.
ATIV024	N/A	30 TAC Chapter 115, Storage of VOCs	Not storing a VOC.
ATIV024	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL.
ATIV026	N/A	30 TAC Chapter 115, Storage of VOCs	Not storing a VOC.
ATIV026	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL.
HOFV001	N/A	30 TAC Chapter 115, Industrial Wastewater	Not an affected source category.
HOFV001	N/A	30 TAC Chapter 115, Storage of VOCs	Does not store a VOC.
HOFV001	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL.
HOFV002	N/A	30 TAC Chapter 115, Storage of VOCs	The storage tank is not storing volatile organic compounds.
HOFV002	N/A	40 CFR Part 60, Subpart Kb	The storage tank is not storing volatile organic liquids.
HTFV002	N/A	30 TAC Chapter 115, Storage of VOCs	Not storing a VOC.
HTFV002	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
HTFV003	N/A	30 TAC Chapter 115, Storage of VOCs	Not storing a VOC.
HTFV003	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL.
HTFV004	N/A	30 TAC Chapter 115, Storage of VOCs	Not storing a VOC.
HTFV004	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL.
HTFV005	N/A	30 TAC Chapter 115, Storage of VOCs	Not storing a VOC.
HTFV005	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL.
HTFV006	N/A	30 TAC Chapter 115, Storage of VOCs	The storage tank is not storing volatile organic compounds.
HTFV006	N/A	40 CFR Part 60, Subpart Kb	The storage tank is not storing volatile organic liquids.
HTNV006	N/A	30 TAC Chapter 115, Storage of VOCs	Not storing a VOC.
HTNV006	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL.
NTIV007	N/A	30 TAC Chapter 115, Storage of VOCs	Capacity less than or equal to 1,000 gallons.
NTIV007	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.
NTIV009	N/A	30 TAC Chapter 115, Storage of VOCs	Capacity less than or equal to 1,000 gallons.
NTIV009	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
NTIV010	N/A	30 TAC Chapter 115, Storage of VOCs	Capacity less than or equal to 1,000 gallons.
NTIV010	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.
POFV004	N/A	30 TAC Chapter 115, Storage of VOCs	Does not store a VOC.
POFV004	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL.
POFV005	N/A	30 TAC Chapter 115, Storage of VOCs	Does not store a VOC.
POFV005	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL.
POFV006	N/A	30 TAC Chapter 115, Storage of VOCs	Not storing a VOC.
POFV006	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL.
POFV007	N/A	30 TAC Chapter 115, Storage of VOCs	Does not store a VOC.
POFV007	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL.
PTIV005	N/A	30 TAC Chapter 115, Storage of VOCs	Does not store a VOC.
PTIV005	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL.
PTIV006	N/A	30 TAC Chapter 115, Storage of VOCs	Does not store a VOC.
PTIV006	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL.
PTIV008	N/A	30 TAC Chapter 115, Storage of VOCs	This unit does not store a VOC.
PTIV008	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
PTIV009	N/A	30 TAC Chapter 115, Storage of VOCs	The unit does not store a VOC.
PTIV009	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL.
PTIV010	N/A	30 TAC Chapter 115, Storage of VOCs	The unit does not store a VOC.
PTIV010	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL.
PTIV012	N/A	30 TAC Chapter 115, Storage of VOCs	The unit does not store a VOC.
PTIV012	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL.
PTIV038	N/A	30 TAC Chapter 115, Storage of VOCs	The unit does not store a VOC.
PTIV038	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL.
PTIV039	N/A	30 TAC Chapter 115, Storage of VOCs	The unit does not store a VOC.
PTIV039	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL.
PTIV053	N/A	30 TAC Chapter 115, Storage of VOCs	The unit does not store a VOC.
PTIV053	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL.
PTIV063	N/A	30 TAC Chapter 115, Storage of VOCs	Not storing a VOC.
PTIV063	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL.
PTIV067	N/A	30 TAC Chapter 115, Storage of VOCs	Not storing a VOC.
PTIV067	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL.
STIV013	N/A	40 CFR Part 60, Subpart Kb	The vessel has a design capacity less than

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			19,800 gallons.
TKNALCO1	N/A	40 CFR Part 60, Subpart Kb	Storage tank has a design capacity less than 19,800 gallons
UTFV004	N/A	30 TAC Chapter 115, Storage of VOCs	The storage tank is not storing volatile organic compounds.
UTFV004	N/A	40 CFR Part 60, Subpart Kb	The storage tank is not storing volatile organic liquids.
UTFV005	N/A	30 TAC Chapter 115, Storage of VOCs	The storage tank is not storing volatile organic compounds.
UTFV005	N/A	40 CFR Part 60, Subpart Kb	The storage tank is not storing volatile organic liquids.
UTFV006	N/A	30 TAC Chapter 115, Storage of VOCs	The storage tank is not storing volatile organic compounds.
UTFV006	N/A	40 CFR Part 60, Subpart Kb	The storage tank is not storing volatile organic liquids.
UTFV007	N/A	30 TAC Chapter 115, Storage of VOCs	The storage tank is not storing volatile organic compounds.
UTFV007	N/A	40 CFR Part 60, Subpart Kb	The storage tank is not storing volatile organic liquids.
UTFV009	N/A	30 TAC Chapter 115, Storage of VOCs	The storage tank is not storing volatile

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			organic compounds.
UTFV009	N/A	40 CFR Part 60, Subpart Kb	The storage tank is not storing volatile organic liquids.
UTIV005	N/A	30 TAC Chapter 115, Storage of VOCs	Not storing a VOC.
UTIV005	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL.
UTIV013	N/A	30 TAC Chapter 115, Storage of VOCs	A VOC storage vessel in motor vehicle fuel dispensing service and has a capacity < 25,000 gallons.
UTIV013	N/A	40 CFR Part 60, Subpart Kb	Tank has a design capacity less than 19,800 gallons.
UTIV052	N/A	40 CFR Part 60, Subpart Kb	Storage tank has a design capacity greater than 151 cubic meters storing a volatile organic liquid with a maximum true vapor pressure less than 3.5 kPa.
UTIV053	N/A	40 CFR Part 60, Subpart Kb	Storage vessel has a design capacity greater than 151 cubic meters storing a VOL with a maximum true vapor pressure less than 3.5 kPa.
P-3	N/A	30 TAC Chapter 117, Commercial	Molten sulfur oxidation furnace is exempt from Chapter 117.

New Source Review Authorization References

New Source Review Authorization References51

New Source Review Authorization References by Emission Unit..... 52

New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 4209A	Issuance Date: 06/26/2013
Authorization No.: 56361	Issuance Date: 06/14/2013
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.122	Version No./Date: 09/04/2000
Number: 106.183	Version No./Date: 09/04/2000
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.264	Version No./Date: 09/04/2000
Number: 106.371	Version No./Date: 09/04/2000
Number: 106.433	Version No./Date: 09/04/2000
Number: 106.452	Version No./Date: 09/04/2000
Number: 106.453	Version No./Date: 09/04/2000
Number: 106.454	Version No./Date: 11/01/2001
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.532	Version No./Date: 09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
1LFV004	INORGANIC BARGE UNLOADING DOCK	56361
1TIV007	RECLAIMED OIL TANK	106.472/09/04/2000
2TIV051	LUBE OIL STORAGE TANK	106.472/09/04/2000
2TIV052	LUBE OIL STORAGE TANK	106.472/09/04/2000
2TIV053	LUBE OIL STORAGE TANK	106.472/09/04/2000
2TIV054	LUBE OIL STORAGE TANK	106.472/09/04/2000
2TIV055	LUBE OIL STORAGE TANK	106.472/09/04/2000
2TIV056	LUBE OIL STORAGE TANK	106.472/09/04/2000
ACNV004	CNPW COOLING TOWER	106.371/09/04/2000
ALFV019	INORGANIC LIQUID LOADING	4209A
ALFV020	INORGANIC LIQUID LOADING	56361
ALFV021	INORGANIC LIQUID LOADING	56361
AOFV011	MOLTEN SULFUR PIT	56361
ASFUG	FERTILIZER PRODUCTION FUGITIVES	4209A
ASNV001	SULFURIC ACID PLANT STACK	56361
ATIV006	STORAGE TANK 101	4209A
ATIV007	STORAGE TANK 102	4209A
ATIV008	STORAGE TANK 103	4209A

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
ATIV009	STORAGE TANK 104	4209A
ATIV010	STORAGE TANK 105	56361
ATIV012	STORAGE TANK 106	4209A
ATIV015	AMMONIUM THIOSULFATE STORAGE TANK 001	106.472/09/04/2000
ATIV017	STORAGE TANK 007	4209A
ATIV018	STORAGE TANK 004	4209A
ATIV023	H ₂ SO ₄ PUMP TANK	4209A
ATIV024	H ₂ SO ₄ PUMP TANK	4209A
ATIV026	CAUSTIC TANK	106.472/09/04/2000
AVIV027	SULFURIC ACID LAB VENT	106.122/09/04/2000
DGRSR-CS	COLD SOLVENT DEGREASERS	106.454/11/01/2001
DGRSR-RR	REMOTE RESERVOIR SOLVENT DEGREASERS	106.454/11/01/2001
DSIV001	EMERGENCY FIREWATER PUMP	106.511/09/04/2000
F-HDFV001	WASTEWATER FUGITIVES	106.532/09/04/2000
F-NMFV006	AMMONIA PROCESS FUGITIVES	4209A, 56361
FUGATS	ATS FUGITIVES	56361
FUGATSCOM	ATS TO COMINCO SCRUBBER FUGITIVES	56361
FUGSAP	SAP FUGITIVES	106.261/11/01/2003, 106.262/11/01/2003

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
HOFV001	WASTEWATER SURGE TANK	106.472/09/04/2000
HOFV002	WASTEWATER CLARIFIER	106.532/09/04/2000
HTFV002	WASTEWATER SULFURIC ACID TANK	106.472/09/04/2000
HTFV003	ACID MIX TANK	106.472/09/04/2000
HTFV004	LIME SLURRY TANK TK0019	106.472/09/04/2000
HTFV005	LIME MIX TANK	4209A
HTFV006	WASTEWATER REACTOR TANK TK0024	4209A
HTNV006	CAT. FLOC. TANK	106.472/09/04/2000
MILLHTRA	MILL BUILDING NATURAL GAS HEATER (0.2 MMBTU/HR)	106.183/09/04/2000
MILLHTRB	MILL BUILDING NATURAL GAS HEATER (0.2 MMBTU/HR)	106.183/09/04/2000
NSIV001	AMMONIA EMERGENCY GENERATOR	106.511/09/04/2000
NSIV002	ADMINISTRATION EMERGENCY GENERATOR	106.511/09/04/2000
NTIV007	FIREWATER PUMP DIESEL STORAGE TANK	106.472/09/04/2000
NTIV009	AMMONIA EMERGENCY ENGINE DIESEL STORAGE TANK	106.472/09/04/2000
NTIV010	ADMINISTRATIVE BUILDING EMERGENCY ENGINE DIESEL	106.472/09/04/2000
P-17	NO. 1 GYPSUM STACK	56361
P-18	SOUTH GYP STACK	56361
P-3CT-4	COOLING TOWER	106.371/09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
P-3STF	SULFUR FURNACE	56361
P-3	SULFURIC ACID PLANT	56361
P-7ASDRYER	DRYER (800 SOUTH STACK)	4209A
P-9	TERMINAL OPERATIONS	4209A
POFV004	CLARIFIER 62051	4209A
POFV005	566 TANK	4209A
POFV006	496 TANK	4209A, 106.472/09/04/2000
POFV007	567 TANK	106.472/09/04/2000
PROSURFCT	MAINTENANCE SURFACE COATING ACTIVITIES	106.263/11/01/2001, 106.433/09/04/2000, 106.452/09/04/2000
PSIV001	MAIN LAB VENT	106.122/09/04/2000
PTIV005	STORAGE TANK 90	4209A
PTIV006	STORAGE TANK 607B	4209A
PTIV008	STORAGE TANK 20	4209A
PTIV009	STORAGE TANK 21	4209A
PTIV010	STORAGE TANK 35	4209A
PTIV012	STORAGE TANK 607A	4209A
PTIV038	STORAGE TANK 661	4209A, 106.472/09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
PTIV039	STORAGE TANK 662	4209A, 106.472/09/04/2000
PTIV053	AREA CONTAINMENT DISCHARGE TANK	4209A
PTIV063	STORAGE TANK 494	4209A
PTIV067	CNPW ACID DAY TANK	106.472/09/04/2000
STIV013	DIESEL STORAGE TANK	106.472/09/04/2000
TKNALCO1	NALCO NORTH TANK	106.261/11/01/2003, 106.262/11/01/2003
TKNALCO2	NALCO MIDDLE TANK	106.472/09/04/2000
TKNALCO3	NALCO SOUTH TANK	106.472/09/04/2000
USNV001	RC-G STACK (800 NORTH STACK)	4209A
USNV002	DRYER STACK (800 SOUTH STACK)	4209A
UTFV004	WET REFEED TANK	4209A
UTFV005	DUST SUMP TANK	4209A
UTFV006	AMMONIA SCRUBBER SUMP TANK	4209A
UTFV007	PCR FEED TANK	4209A, 106.472/09/04/2000
UTFV009	TAIL GAS SCRUBBER SUMP TANK	4209A
UTFV012	AS DAY TANK	4209A
UTFV013	ALUMINUM SULFATE DAY TANK	4209A, 106.472/09/04/2000
UTIV005	STORAGE TANK	4209A

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
UTIV013	GASOLINE STORAGE TANK	106.473/09/04/2000
UTIV052	DEDUSTER STORAGE TANK	4209A
UTIV053	STORAGE TANK	4209A

Appendix A

Acronym List	59
---------------------------	-----------

Acronym List

The following abbreviations or acronyms may be used in this permit:

ACFM	.....actual cubic feet per minute
AMOC	.....alternate means of control
ARP	.....Acid Rain Program
ASTM	.....American Society of Testing and Materials
B/PA	.....Beaumont/Port Arthur (nonattainment area)
CAM	.....Compliance Assurance Monitoring
CD	.....control device
COMS	.....continuous opacity monitoring system
CVS	.....closed-vent system
D/FW	.....Dallas/Fort Worth (nonattainment area)
DR	.....Designated Representative
ELP	.....El Paso (nonattainment area)
EP	.....emission point
EPA	.....U.S. Environmental Protection Agency
EU	.....emission unit
FCAA Amendments	.....Federal Clean Air Act Amendments
FOP	.....federal operating permit
GF	.....grandfathered
gr/100 scf	.....grains per 100 standard cubic feet
HAP	.....hazardous air pollutant
H/G/B	.....Houston/Galveston/Brazoria (nonattainment area)
H ₂ S	.....hydrogen sulfide
ID No.	.....identification number
lb/hr	.....pound(s) per hour
MMBtu/hr	.....Million British thermal units per hour
MRRT	.....monitoring, recordkeeping, reporting, and testing
NA	.....nonattainment
N/A	.....not applicable
NADB	.....National Allowance Data Base
NO _x	.....nitrogen oxides
NSPS	.....New Source Performance Standard (40 CFR Part 60)
NSR	.....New Source Review
ORIS	.....Office of Regulatory Information Systems
Pb	.....lead
PBR	.....Permit By Rule
PM	.....particulate matter
ppmv	.....parts per million by volume
PSD	.....prevention of significant deterioration
RO	.....Responsible Official
SO ₂	.....sulfur dioxide
TCEQ	.....Texas Commission on Environmental Quality
TSP	.....total suspended particulate
TVP	.....true vapor pressure
U.S.C.	.....United States Code
VOC	.....volatile organic compound